

FIG. 1A

Ground Squirrel mylfhlclvf acvpoptvqa sklcigwlwd

1

Hbc AYW mdidpykefg atvellsflp sdffpsvrdl ldtasalyre
 Hbc ADW mdidpykefg atvellsflp sdffpsvrdl ldtasalyre
 Hbc ADW2 mdidpykefg atvellsflp sdffpsvrdl ldtasalyre
 Hbc ADYW mdidpykefg atvellsflp sdffpsvrdl ldtasalyrd
 Woodchuck mdidpykefg ssyqlnflp ldffpdlmal vdtatalyee
 Ground Squirrel mdidpykefg ssyqlnflp ldffpdlmal vdtasalyee

41

Hbc AYW alespehcsp hhtairqail cwgelmtlat wgvnledpa
 Hbc ADW alespehcsp hhtairqail cwgelmtlat wgvnllqdp
 Hbc ADW2 alespehcsp hhtairqail cwgelmtlat wgvnnledpa
 Hbc ADYW alespehcsp hhtairqail cwgdmltlat wvgtlnledpa
 Woodchuck eltgrehcsp hhtairqalv cwdeltklia wmsnitseq
 Ground Squirrel eltgrehcsp hhtairqalv cweeltrlit wmsenttee

U G G G G G N W S , G N N N G N

FIG.1B

81

Hbc AYW	srdlvsvyv	tnmglkfrql	lwfhlscldtf	gretvieylv
Hbc ADW	srdlvsvyv	tnmglkirql	lwfhlscldtf	gretvleylv
Hbc ADW2	srdlvsvyv	tnvglikirql	lwfhlscldtf	gretvleylv
Hbc ADYW	srdlvsvyv	tnvglikfrql	lwfhlscldtf	gretvleylv
Woodchuck	vtliivnhv	dtwglkvrrqs	lwfhlscldtf	gqhtvqeflv
Ground Squirrel	rriivdhvnn	twglkvrrql	wfhlscldtf	gqhtvqeflv

121

Hbc AYW	sfgvwirtpp	ayrppnapil	stlpettvvr	rrgrsprrrt
Hbc ADW	sfgvwirtpp	ayrppnapil	stlpettvvr	rrdrgsprrr
Hbc ADW2	sfgvwirtpp	ayrppnapil	stlpettvvr	rrdrgsprrr
Hbc ADYW	sfgvwirtpp	ayrppnapil	stlpettvvr	rrgrsprrrt
Woodchuck	sfgwvrtppa	pyrppnapil	stlpettvvr	rrgrsprrrt
Ground Squirrel	fgvwirtppa	yrppnapils	tlpeltvrr	rggsraarsp

161

Hbc AYW	psprrrrsqs	prrrrsqsre	sqc
Hbc ADW	rtpsprrrrs	qsprrrsqs	resqc
Hbc ADW2	rtpsprrrrs	qsprrrsqs	resqc
Hbc ADYW	psprrrrsqs	prrrrsqsre	sqc
Woodchuck	prrrtpprr	rrsqsprrrr	sqc
Ground Squirrel	rrrrtpprrr	rrsqprrrrs	qspasnc

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

FIG. 2

HindIII

pKK223-3

TTCACACAGGAACAGAAATCCCGGGGATCCGTCGACCTGCAGCCAAGCTT

SEQ ID NO:180

pKK223-3N

TTCACATAAAGGAGGAAAAAccatggGATCCG-----

----AAGCTT

NcoI

SEQ ID NO:181

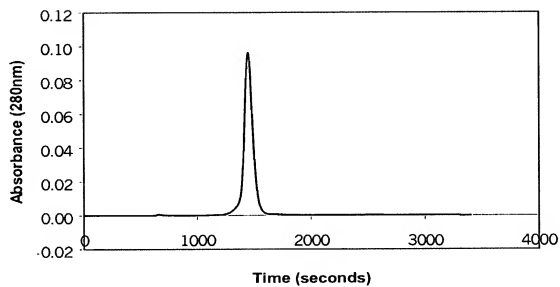
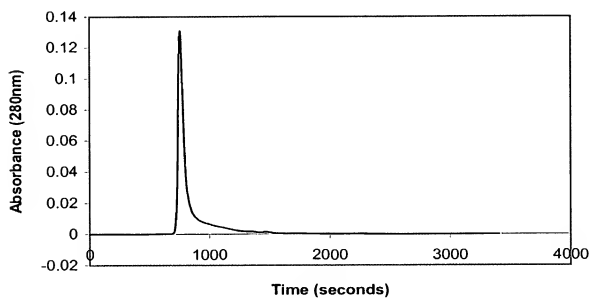
Fig. 3**Fig. 4**

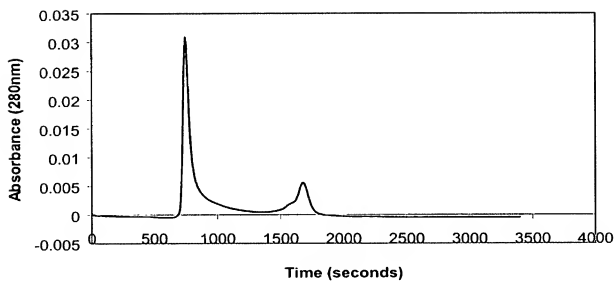
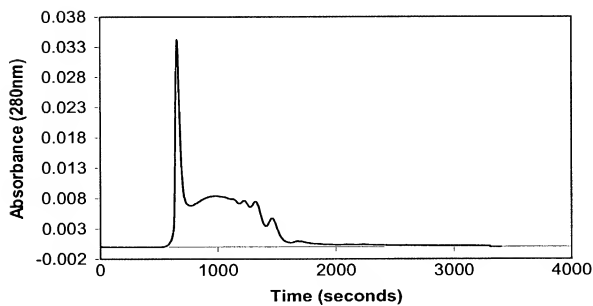
Fig. 5**Fig. 6**

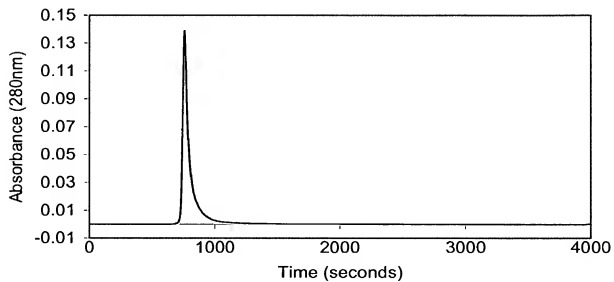
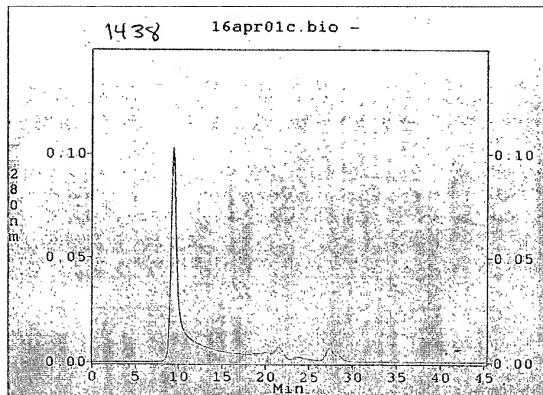
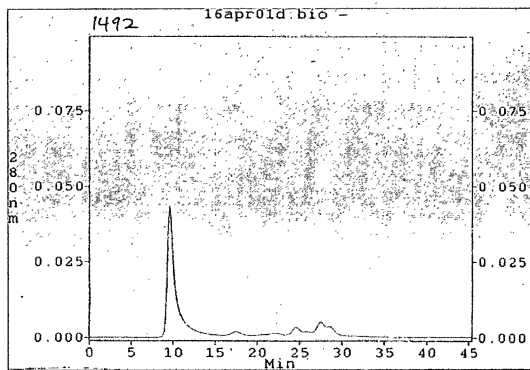
Fig. 7**Fig. 8**

Fig. 9**Fig. 10**